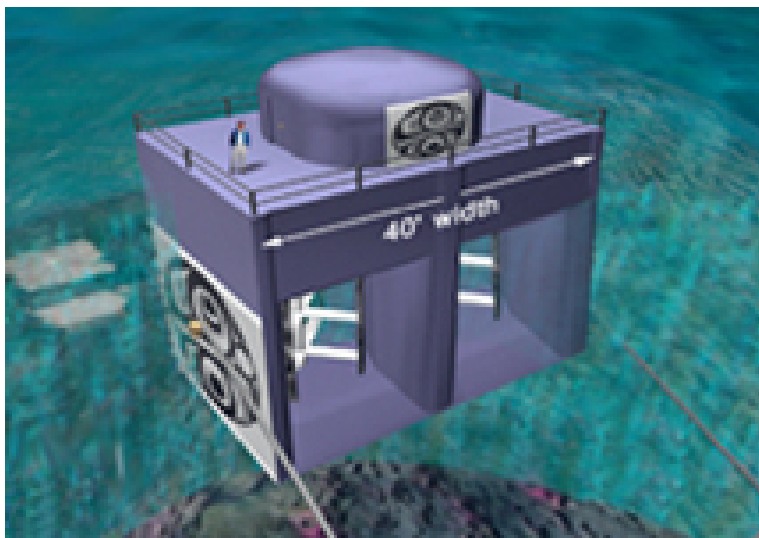


# Davis Hydro Turbine

*Development Stage: Demonstration*



***Two Linked Davis Hydro Turbines, Suitable for Remote Energy***

## *Product Description*

Blue Energy Canada, with assistance from the Canadian National Research Council, has successfully developed and tested 6 prototypes of its proprietary Davis Hydro Turbine, which generates renewable, non-polluting energy from moving water. The company is now working to develop a commercial-scale demonstration project in Canada, or abroad. Following successful demonstration, we anticipate licensing 250-kW units (mid-range scale) and 2-10 MW units (ocean class; can be joined in series) and deploying worldwide. Many locations worldwide have the appropriate conditions to deploy the Davis Hydro Turbine and it has been approved by the David Suzuki Foundation, Greenpeace, the Sierra Club and Friends of the Earth. For more product information, please see [www.bluenergy.com](http://www.bluenergy.com).

<b>Product Highlights</b>		
<b>Standard Unit Design Capacity</b>	250 kW	<b>Design Working Environment</b> <input checked="" type="checkbox"/> Natural waterways <input checked="" type="checkbox"/> Water transmission systems <input type="checkbox"/> Effluent streams <input checked="" type="checkbox"/> Tidal estuaries <input checked="" type="checkbox"/> Near shore ocean <input type="checkbox"/> Off-shore ocean <input type="checkbox"/> Deep ocean <input checked="" type="checkbox"/> Other (spillways, tailraces)
<b>Other sizes currently available</b>	No	
<b>Characteristic Dimension</b>	4 m	
<b>Rotational Axis Orientation</b>	Vertical	

*Product Specifications/Details (Standard Unit)*

- Performance Specifications:**

<i>Category</i>	<i>Minimum</i>	<i>Maximum</i>	<i>Units</i>
Flow range	2.5	8	$m^3/sec$
Hydraulic head range	—	—	$m$
Power output range	0	250	$kW$
Waterway depth	8.5	75	$m$
Waterway width	5	—	$m$

- Efficiency:** Turbine: 50% Total System: 50%
- Deployment Locations:**
  - commercial-scale demonstration project anticipated soon in Canada and/or US
- Operating History:**
  - successful prototype development: 5 funded by Canadian National Research Council, 1 privately
  - commercial-scale demonstration project: in-process
- System Dimensions (meters):** 5 (L)  $\times$  4 (W)  $\times$  6 (D)

### *Company Contact Information*

Company Name	Blue Energy Canada, Inc.
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### *Company Profile*

Years in Business	6-10 years
Number of Employees	less than 5 employees
Annual Equipment Sales	less than \$1000

#### Affiliations/Alliances/Credentials/References/Publications

- Ocean Renewable Energy Group (OREG) - newly-formed national industry association, Canadian chapter (anticipate expanding into US in 2005)